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DESCRIPTORS: *Mixtures, Liquids, Boiling,
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The heat capacities under constant pressure (c_p) at ap-
proximate temperatures of 0°, 25° and 45° were deter-
mined for carbon tetrachloride, n-propyl alcohol,
benzene, isobutyl alcohol, toluene and the following
azeotropic mixtures: (1) benzene-methyl ethyl ketone;
(2) toluene-isoamyl alcohol; (3) benzene-n-propyl
alcohol; (4) carbon tetrachloride-n-propyl alcohol; (5)
carbon tetrachloride-isobutyl alcohol; (6) toluene -
n-propyl alcohol; (7) carbon tetrachloride-isobutyl
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-16876

I. Zhdanov, A. K.

Office of Technical Services

alcohol; and (8) toluene-isobutyl alcohol. For all investigated liquids, the values of the second derivative of the thermodynamic potential with respect to temperature were determined. From the experimental values of specific heat capacities of the investigated pure liquids and azeotropic mixture interpolation formulas were obtained of the type $C_p = A + BT + CT^2$.
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PB- 61-16876

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